



IFW

---

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

---

---

**SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT**

---

Director:

The Assignee respectfully requests entry and consideration of the references listed on the enclosed PTO 1449 Forms.

If the Office has any questions, the Office is invited to contact the undersigned at (919) 387-6907 or [scott@wzpatents.com](mailto:scott@wzpatents.com).

Respectfully submitted,

Scott P. Zimmerman, Reg. No. 41,390  
Attorney for Assignee



Please type a plus sign (+) inside this box → +

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 5

## Complete if Known

Application Number	10/735,346
Filing Date	December 12, 2003
First Named Inventor	Gray
Group Art Unit	2611
Examiner Name	Unassigned
Attorney Docket Number	BS02286

## U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
		677,209		Chernock et al.	06-1901	
		3,798,610		Bliss et al.	03-19-1974	
		3,886,302		Kosco	05-27-1975	
		4,130,833		Chomet	12-19-1978	
		4,258,386		Cheung	03-24-1981	
		4,361,851		Asip et al.	11-30-1982	
		4,488,179		Kruger et al.	12-11-1984	
		4,566,030		Nickerson et al.	01-21-1986	
		4,567,591		Gray et al.	02-28-1986	
		4,598,288		Yarbrough et al.	07-01-1986	
		4,602,279		Freeman	07-1986	
		4,688,248		Tomizawa	08-18-1987	
		4,689,661		Barbieri et al.	08-25-1987	
		4,697,209		Kiewitt et al.	09-1987	
		4,720,873		Goodman et al.	01-19-1988	
		4,816,904		McKenna et al.	03-28-1989	
		4,890,322		Russell, Jr.	12-2601989	
		4,912,552		Allison, III. et al.	03-27-1990	
		4,912,552		Allison	03-1990	
		5,010,585		Garcia	04-23-1991	
		5,038,211		Hallenbeck, Peter d.	08-1991	
		5,046,090		Walker et al.	09-03-1991	
		5,046,092		Walker et al.	09-03-1991	
		5,055,924		Skutta	10-08-1991	
		5,173,900		Miller et al.	12-22-1992	
		5,191,645		Carlucci et al.	03-02-1993	
		5,208,665		McCalley et al.	05-04-1993	
		5,247,347		Litteral et al.	09-21-1993	
		5,249,044		VonKohorn	09-28-1993	
		5,251,324		McMullan	10-1993	
		5,287,181		Holman	02-15-1994	
		5,335,277		Harvey et al.	08-02-94	
		5,339,315		Maeda et al.	08-16-1994	
		5,343,240		Yu	08-30-1994	
		5,357,276		Banker et al.	10-18-1994	
		5,374,951		Welsh	12-20-1994	
		5,389,964		Oberle	02-1995	
		5,404,393		Remillard	04-04-1994	
		5,410,344		Graves	04-1995	
		5,446,490		Blahut et al.	08-29-1995	
		5,446,919		Wilkins, Jeff K.	08-1995	
		5,543,911		Leviton	07-1996	
		5,559,548		Davis et al.	09-1996	
		5,585,838		Lawler et al.	12-17-1996	
		5,585,865		Amano	12-1996	
		5,600,364		Hendricks	02-1997	
		5,608,448		Smoral et al.	03-04-1997	

Please type a plus sign (+) inside this box →

+

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

2

Of

5

### Complete if Known

Application Number	10/735,346
Filing Date	December 12, 2003
First Named Inventor	Gray
Group Art Unit	2611
Examiner Name	Unassigned
Attorney Docket Number	BS02286

### U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
		5,619,247		Russo	04-1997	
		5,630,119		Aristides	05-13-1997	
		5,661,516		Carles, John B.	08-1997	
		5,661,516		Carles	08-1997	
		5,698,670		Matty	10-06-1987	
		5,724,521		Dedrick	03-1998	
		5,724,525		Beyers II et al.	03-1998	
		5,752,159		Faust et al.	05-1998	
		5,754,393		Herz	05-1998	
		5,758,257		Herz	05-1998	
		5,758,259		Lawler	05-1998	
		5,774,170		Hite et al.	06-1998	
		5,778,182		Cathey et al.	07-07-1998	
		5,794,210		Goldhaber et al.	08-11-1998	
		5,818,438		Howe	10-06-1998	
		5,838,314		Neel	11-1998	
		5,848,396		Gerace	12-1998	
		5,861,906		Dunn	01-1999	
		5,892,508		Howe	04-06-1999	
		5,892,536		Logan	04-1999	
		5,917,481		Rzeszewski	06/29/1999	
		5,948,061		Merriman et al.	09-07-1999	
		5,973,683		Cragun	10-1999	
		5,983,227		Nazem	11-09-1999	
		6,002,393		Hite	12-1999	
		6,005,597		Barrett	12-1999	
		6,029,045		Alexander	01-2001	
		6,076,094		Cohen	06-13-2000	
		6,100,916		August	08-2000	
		6,119,098		Guyot et al.	09-2000	
		6,172,674		Etheridge	01-09-2001	
		6,185,614		Cuomo	02-2001	
		6,202,210		Ludtke, Harold A.	03-2001	
		6,252,586		Freeman et al.	06-26-2001	
		6,282,713		Kitsukawa	08-2001	
		6,314,568		Ochiai	11-2001	
		6,314,577		Pocock	11-06-2001	
		6,327,574		Kramer et al.	12-2001	
		6,345,256		Milsted et al.	02-2002	
		6,434,747		Khoo et al.	08-2002	
		6,446,261		Rosser, Roy J.	09-2002	
		6,446,261		Rosser	09-2002	
		6,457,010		Eldering	09-2002	
		6,463,468		Buch	10-2002	
		6,463,585		Hendricks et al.	10-2002	

Please type a plus sign (+) inside this box →

+

PTO/SB/08A (08-00)



Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 3 of 5

## **Complete if Known**

Application Number	10/735,346
Filing Date	December 12, 2003
First Named Inventor	Gray
Group Art Unit	2611
Examiner Name	Unassigned
Attorney Docket Number	BS02286

## **U.S. PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
		6,477,704		Cremia	11-2002	
		6,487,538		Gupta et al.	11-2002	
		6,496,818		Ponte	12-2002	
		6,505,348		Knowles	01-2003	
		6,507,839		Ponte	01-2003	
		6,510,417		Woods	01-2003	
		6,631,360		Cook	10-2003	
		6,714,992		Kanojia et al.	03-2004	
		6,718,551		Scott R. Swix et al.	04-06-2004	
		6,845,398		Kanojia et al.	01-2005	
		6,850,988		Reed, David	02-2005	
		US- 2002/0123928		Eldering et al.	09-2002	
		US- 2002/0143647		Headings et al.	10-2002	
		US-2002/0199197		Winter	12-2002	
		US-2003/0067554		Klarfield	04/2003	
		App. 09/799,306		Grauch	01-06-1997	
		App. 10/016,988		Matz	12-14-2001	
		App. 10/017,111		Matz	12-14-2001	
		App. 10/017,630		Swix	12-14-2001	
		App. 10/017,640		Matz	12-14-2001	
		App. 10/017,742		Matz	12-14-2001	
		App. 10/036,677		Swix	12-21-2001	
		App. 10/735,309		Gray	12-12-2003	
		App. 10/037,005		Matz	12-21-2001	
		App. 10/778,345		Swix	02-17-2004	
		App. 10/735,346		Gray	12-12-2003	
		App. 10/036,923		Matz	12-21-2001	

## **FOREIGN PATENT DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sub>6</sub>
		Offi ce <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)				
			EP 0 424 648A EP 1162840 A2 WO 99 52285A WO 99 04561A WO 99 45702A		Wilson	02-02-1991 12-2001 10-14-1999 01-28-1999 09-10-1999		

Examiner  
Signature

Date  
Considered

<sup>1</sup> EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>2</sup> Unique citation designation number. <sup>3</sup> See attached Kinds of U.S. Patent Documents. <sup>4</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>5</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>6</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>7</sup> Applicant is to place a check mark here if English language Translation is attached.

Please type a plus sign (+) inside this box → +

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 4 of 5

### Complete if Known

Application Number	10/735,346
Filing Date	December 12, 2003
First Named Inventor	Gray
Group Art Unit	2611
Examiner Name	Unassigned
Attorney Docket Number	BS02286

### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		PCT Publication No. WO 94/17609 (Kiehl et al., 08-04-1994)	
		CAULEY, LESLIE, "Microsoft, Baby Bell Form Video Alliance," <u>The Wall Street Journal</u> , September 26, 1994	
		"allNetDevices: - Report: Interactive TV Soon to Become Direct Marketing Tool," allNetDevices, <a href="http://www.devices.internet.com/cgi/print/print.cgi?url=http://devices.../report_interactive.html">www.devices.internet.com/cgi/print/print.cgi?url=http://devices.../report_interactive.html</a> , (11/16/01) pp.1-2.	
		"Liberate Technologies -- Solutions," Digital Cable Two-Way, <a href="http://www.solutions.liberate.com/architecture/dc2.html">www.solutions.liberate.com/architecture/dc2.html</a> , (11/16/01) p. 1 of 1.	
		"Liberate Technologies -- Solutions," Digital Broadband Telco, <a href="http://www.solutions.liberate.com/architecture/db.html">www.solutions.liberate.com/architecture/db.html</a> , (11/16/01) p. 1 of 1.	
		"Liberate Technologies -- Solutions," Liberate Connect Suite, <a href="http://www.solutions.liberate.com/products/connect_suite.html">www.solutions.liberate.com/products/connect_suite.html</a> , (11/16/01) pp. 1-2.	
		"Liberate Technologies -- Solutions," Liberate imprint Server™, <a href="http://www.solutions.liberate.com/products/imprint_server.html">www.solutions.liberate.com/products/imprint_server.html</a> , (11/16/01) p. 1 of 1.	
		"Liberate Technologies -- Solutions," Liberate Mediacast Server™, <a href="http://www.solutions.liberate.com/products/mediacast_server.html">www.solutions.liberate.com/products/mediacast_server.html</a> , (11/16/01) pp.1-2.	
		"Spike High Performance Server Array," Mixed Signals Technologies, Inc., <a href="http://www.mixedsignals.com">www.mixedsignals.com</a> , <a href="mailto:itvinfo@mixedsignals.com">itvinfo@mixedsignals.com</a> (2000) p. 1.	
		"power, flexibility, and control," RespondTV, <a href="http://www.respondtv.com/whyrespond.html">www.respondtv.com/whyrespond.html</a> (11/16/01) pp. 1-2.	
		"It just clicks!," RespondTV, <a href="http://www.respondtv.com/inaction.html">www.respondtv.com/inaction.html</a> , (11/16/01) pp.1-2.	
		"The Wink System," Wink System Diagram, <a href="http://www.wink.com/contents/tech_diagram.html">www.wink.com/contents/tech_diagram.html</a> , (11/16/01) p. 1 of 1.	
		"What is Wink?," <a href="http://www.wink.com/contents/whatiswink.html">www.wink.com/contents/whatiswink.html</a> , (11/16/01) p. 1 of 1.	
		"How Wink Works," What is Wink: How wink works, <a href="http://www.wink.com/contents/howitworks.html">www.wink.com/contents/howitworks.html</a> , (11/16/01) p. 1 of 1.	

Examiner  
Signature

Date  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)



Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 5 of 5

### Complete if Known

Application Number	10/735,346
Filing Date	December 12, 2003
First Named Inventor	Gray
Group Art Unit	2611
Examiner Name	Unassigned
Attorney Docket Number	BS02286

### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		"What is Wink: Examples," What is Wink – Examples, <a href="http://www.wink.com/contents/examples.html">www.wink.com/contents/examples.html</a> , (11/16/01) pp. 1-2.	
		"Nielsen Media Research – Who We Are & What We Do," <a href="http://www.nielsenmedia.com/whoweare.html">www.nielsenmedia.com/whoweare.html</a> , (10/11/01) pp.1-4.	
		<a href="http://www.actv.com">www.actv.com</a> , Screen Print, 10/8/2000	
		"ACTV, Inc. Offers Exclusive Preview of 'Individualized Television' at Official All-Star Café," Business Wire, Sept. 16, 1998.	
		"ACTV's HyperTV & 'Individualized Television' to be Powered by Sun Microsystems' JavaTV Technology," Business Wire, Apr. 21, 1999.	
		Whitaker, Jerry, "Interactive TV: Killer Ap or Technical Curiosity?," Broadcast Engineering, Dec. 1999.	
		Dickson, Glen, "Digital TV gets specifically directed," Broadcasting & Cable, June 5, 2000.	
		Reed, David, "The future is digital," Precision Marketing, v. 13, n.51, pg. 27, Sept. 21, 2001.	

Examiner  
Signature

Date  
Considered

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.